

Boxboro

2017

September 8, 9, & 10

Our 34th Convention



ARRL
New England Division
Convention



Boxboro Regency Hotel & Conference Center
Boxborough, Massachusetts



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9A9RRI 16



Welcome to Boxboro! 2017

It's Boxboro time again! The years seem to be going by fast, and even faster now that Boxboro is firmly established as an annual event. Thanks to our vendors, our advertisers, our volunteers, and of course all the attendees, it looks as if the Boxboro Convention will be around for many years to come.

But don't think for a minute that we just roll out the same old formula every time. Each year we make a few changes to keep everything fresh. See if you can spot this year's upgrades. (Hint – the website would be a good place to start.)

Of course, a few things don't change, things like the best program and forums of any ham convention in the country, bar none; things like the central location; things like the volunteer base that provides all the content and does all the work.

So as you wander through the big hall, into the forums, and out into the flea market, be sure to thank them all. Thank the advertisers who made this program book and this program possible. Thank the volunteers who sell the tickets, manage the speakers, and keep everything running smoothly. Thank the vendors who bring all their good stuff for us to look at (and maybe, buy.)

And keep the weekend after Labor Day free for the foreseeable future. We'll see you next year, and the next, and the next.

**73,
Mike, K1TWF**

The New England FEMARA Scholarships

This is why we hold the convention.

The wonderful hams listed below are recent recipients of the FEMARA scholarships that your attendance at Boxboro helps make possible. Your donations, and all proceeds from the convention go to the FEMARA scholarship fund, which helps students attend a college or trade school of their choice. The ARRL Foundation administers the perpetual fund. Each year the foundation scholarship committee meets to carefully review hundreds of applications received from remarkably talented young men and women. The foundation receives cash and stock donations from hams and their families worldwide which include bequests from living wills and trusts. Please consider helping this great undertaking.

For applications, write the ARRL Foundation, Newington, CT 06111 - When you donate to the foundation, please specify the FEMARA New England Fund!

2017 Winners (\$2000 each)

Yettive S. Crestohl, K1YTV
Theodore Parker, N1HW
Ulysses C. Parker, KU1K
Daniel Ruskin, KB1ZCL

2016 Winners (\$2000 each)

Yettive S. Crestohl, K1YTV
George E. Main IV, W1GIV
Daniel A. Shrives, KC1AUA
Bahnou Upton, KB1OIS

2015 Winners (\$2000 each)

Jakob F. Anderson, W1JFA
George E. Falardeau III, KC1ANB
Marc A. Robbins, KC2MJD
Benjamin Yuscavage, KB3TBJ

See the full list at:

< <http://boxboro.org/scholarships> >

Boxboro 2017 ~ Schedule

Friday, September 8

Educational Workshops:

SKYWARN Training

ARES 101

ARESMAT

Ham Radio: Educational Tool in the Classroom

DX/Contest Dinner

The 706T DXpedition to Yemen in 2012

Jeff Briggs, K1ZM / VY2ZM

Door Prizes!

Saturday, September 9

Flea Market and Exhibit Hall: 9 am —5 pm

Forums: 9 am—5 pm

Convention Banquet: 7 pm —10 pm

Effective DX and Satellite Operation with Minimal Antennas

Paul Stoetzer, N8HM

Door Prizes!

Sunday, September 10

Flea Market and Exhibit Hall: 9 am —2 pm

Forums: 9 am—1pm

Prize Drawing: 2 pm

W1A Special Event Station

Friday: 3 pm — 6 pm & 9 pm — midnight

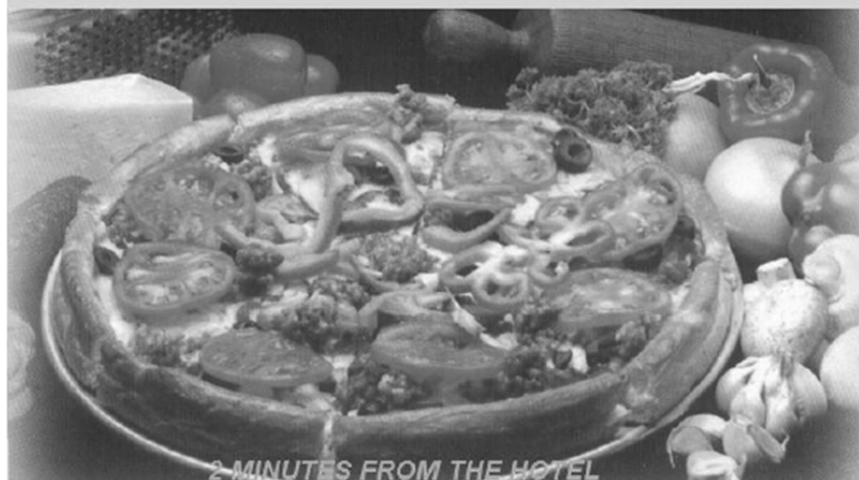
Saturday: 8 am — 6 pm & 9 pm — midnight

Sunday: 8 am — noon

DXCC Card Checking

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SATURDAY SEPTEMBER 9th

3:00PM

in the Cotillion Room

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**NESMC provides frequency coordination for amateur repeaters in
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www.nesmc.org

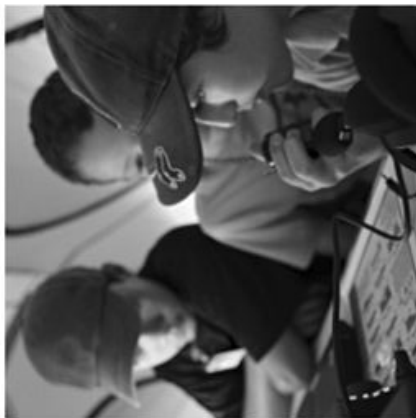


AESOP ENGINEERING

Free Vintage Radio Clinic
Troubleshooting, Repairs, Alignment



Friday, September 8								
Room (Seating)	Federal (350)	Colonial (125)	Seminar (72)	Cotillion (100)	Directors (40)	Board (50)	Greenwood (14)	Deck (40)
NOON								
13:00			SKYWARN Training					
14:00								
15:00		ARES 101						
16:00			Ham Radio: Educational Tool in the					
17:00								
18:00	Cocktails							
19:00	DX Dinner							
21:00								
22:00								



Largest youth amateur radio club in Greater Boston!

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Weekly Club Net

Tuesdays 7:30p W1CLA/R

(446.325- PL146.2 – IRLP/Echolink: 4942)

Eastern Mass Youth Net

Thursdays 7:30p MMRA

Repeater Network & W1CLA/R

WWW.CC-ARC.ORG

DEXTER SOUTHFIELD

20 Newton St., Brookline, MA 02445

Saturday, September 9									
Room (Seating)	Federal (350)	Colonial (125)	Seminar (72)	Cotillion (100)	Directors (40)	Board (50)	Greenwood (14)	Deck (40)	
8:30	Keynote Address								
9:00									
10:00	Nashua ARC High-Altitude Balloon Project	Programming with CHIRP	LINUX in the Ham Shack	Basics of HF Propagation	Tech in a Day Course	Intro to Fox Hunting		VE Session I	
11:00	Utilizing the Capabilities of an SDR	Care and Feeding of Astron Power Supplies	SKYWARN Overview	The Science of HF Propagation		YLS at Noon			
Noon	ARRL Forum I	Digital Radio Repeater Modes Forum	Practical Lightning, Static, and Impulse Protection	Upper Level Lows and 6M Sporadic-E					
13:00	AMSAT Forum		NE QRP Forum (cont'd below)	PiPtr — Open Source Raspberry Pi Repeater Controller		NTS Forum		VE Session II (cont'd)	



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Saturday, September 9								
Room (Seating)	Federal (350)	Colonial (125)	Seminar (72)	Cotillion (100)	Directors (40)	Board (50)	Greenwood (14)	Deck (40)
14:00	Cubes in Space for Kids	YCCC Meeting	NE QRP Forum (cont'd)	Modernizing and Growing Your AR Club	Tech in a Day Course (cont'd)	RF Finger- printing		VE Session II (cont'd)
15:00	Youth Forum			NESMC General Meeting				
16:00	Building & Oper- ating a Portable Satellite Station		BITX40 SSB QRP Transceiver	Nat'l Parks On The Air (NPOTA)				
17:00								
18:00	Cocktails							
19:00	Convention Banquet		NE QRP Meet & Greet, Vendors Night & Build-A-Thon					
20:00								
21:00								
21:30		Movie: Making Waves		Music Jam Session	Collegiate A R Reception	Open Mic		
23:00								



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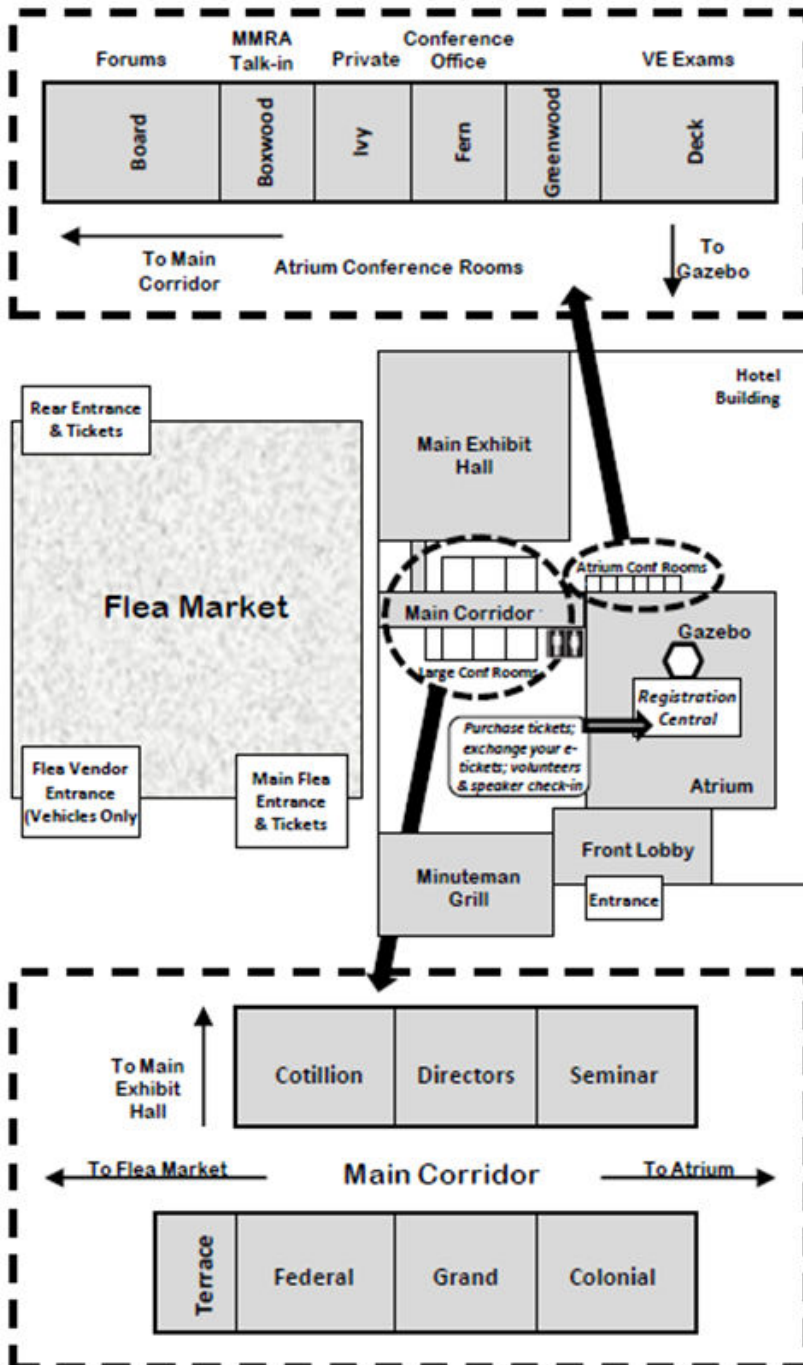
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Sunday, September 10									
Room (Seating)	Federal (350)	Colonial (125)	Seminar (72)	Cottillion (100)	Directors (40)	Board (50)	Greenwood (14)	Deck (40)	
8:30	Collegiate Amateur Radio Forum								
9:00		Getting Started in Amateur Satellites	80M Extended Double Zepp Antenna	PAVE PAWS	CEOX — San Felix I. At- tempt	Intro to Vintage Ama- teur Radio Restoration			
10:00		AMSAT Forum II	Evaluating Antennas Using WSPR	Entry Level License What's Worked and What Hasn't	Spy Radios	MARS Meeting (open)			
11:00		ARRL Forum II	Intro to Antenna Modeling	Share the Magic — Bringing Local Kids into AR	Getting Involved with Public Service Events	MARS Membership Meeting			VE Session III
Noon		WCC Museum	Intro to JT65	Growing Your Ham Radio Club					
13:00									
14:00	Prize Drawing & Convention Wrap-up								
15:00									
16:00									

Site Maps



Presentation Abstracts—1

FRIDAY, September 8

SKYWARN Training ~ Rob Macedo, KD1CY

SKYWARN is a volunteer program with between 350,000 and 400,000 trained severe weather spotters. These volunteers help keep their local communities safe by providing timely and accurate reports of severe weather to the National Weather Service. Learn the basics of thunderstorm development; fundamentals of storm structure; identifying potential severe weather features; information to report; how to report it; basic severe weather safety.

13:00 - 16:00 Seminar

ARES 101 ~ Pete Stohrer, K1PJS

An introduction to the Amateur Radio Emergency Service (ARES). How hams can utilize their communication assets for public service and served agencies. Amateurs have provided emergency communication since the early days of radio. All license classes are welcome and encouraged to participate in the ARES program.

15:00 - 16:00 Colonial

Ham Radio: Educational Tool in the Classroom

Joe Fairclough, WB2JKJ

How to use Amateur Radio in the classroom as an educational tool, while creating some young hams along the way.

16:00 - 17:00 Seminar

DXCC/Contest Dinner ~ Special Guest Jeff Briggs, K1ZM/VY2ZM

Join your fellow hams for a delicious DXCC/Contest dinner. Accompanying us will be Jeff Briggs, K1ZM/VY2ZM, recounting the story of the 706T DXpedition to Yemen in 2012. Doors open at 6:30 PM. More details available on the DXCC/Contest Dinner page.

19:00 - 22:00 Federal

SATURDAY, September 9

Keynote Address ~ Tom Frenaye, K1KI

ARRL Director, New England Division

In his opening remarks, Tom will welcome Convention attendees and discuss the important issues of the day affecting our hobby.

08:30 - 9:00 Federal

Tech-in-a-Day™ Review

Tech-in-a-Day™ is a trademark of Stanley Stone, W4HIX for FCC Amateur Radio Technician Class examination preparation.

09:00 - 17:00 Directors

Nashua ARC High Altitude Balloon Project: Engaging Young People in Stem Careers & Amateur Radio ~ Fred Kemmerer, AB1OC

Fred will present on the creation and delivery of a STEM (Science, Technology, Engineering, and Mathematics) curriculum that uses the construction, launch, tracking and recovery of a high-altitude balloon carrying a 2-meter APRS system and atmospheric experiments.

10:00 - 11:00 Federal

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Presentation Abstracts—2

SATURDAY, September 9 (cont'd)

Programming with CHIRP ~ James Lee, N1DDK

An overview of the open source CHIRP software which can be used to program most radios. What is CHIRP? What radios are supported? How do I download and use Chirp? Along with common problems and solutions.

10:00 - 11:00 Colonial

Linux in The Ham Shack ~ Andy Stewart, KB1OIQ

Andy will present about various ham radio-related programs that are freely available for Linux, as well as recent developments.

10:00 - 11:00 Seminar

Basics of HF Propagation ~ Tom Carrigan, NE1R

An introduction to the fascinating subject of HF radio propagation. Tom will discuss ground wave, sky wave, NVIS, skip, and other phenomena, as well as an introduction to space weather and interpretation of published indexes. The talk is intended for radio enthusiasts with a limited knowledge of the subject. It does not assume any formal scientific education.

10:00 - 11:00 Cotillion

Introduction to Fox Hunting ~ John Salmi, KB1MGI

Fox Hunting / Direction Finding techniques equipment and demonstrations for finding hidden fox transmitters and tracking down interference.

10:00 - 11:00 Board

VE Session - I

10:00 - 13:00 Deck

Utilizing The Capabilities of a Software-Defined Radio

Gerald Youngblood, K5SDR

Gerald will explore the myriad of capabilities that have been added to Software-Defined Radios (SDRs) in the last few years, how these advances enhance both the enjoyment of radio and provide new key insights into the radio spectrum, and the signals that occupy it. He will cover several operating modes focusing on the SDR features that enhance those modes and make contacts both easier and more enjoyable. He'll also show how the ever-increasing integration of SDR radios and other hardware and software can provide new features not previously available.

11:00 - 12:00 Federal

Care and Feeding of Astron Power Supplies ~ James Lee, N1DDK

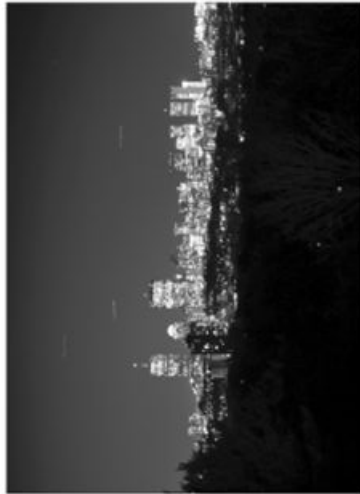
Astron power supplies are the most common supplies found in ham shacks. This presentation will outline repairs and upgrades to a few Astron power supplies done. Suggested improvements and repairs will be applicable for the RS20 RS35 and other models. Issues with different versions of the supplies will be discussed. Photos and hands on parts will be part of the presentation.

11:00 - 12:00 Colonial

SKYWARN Overview ~ Rob Macedo, KD1CY

An overview of the popular SKYWARN program .

11:00 - 12:00 Seminar



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Clay Center Amateur Radio Club (CC-ARC) meets Tuesday nights 6-8 p.m.
Radio clubs and scout groups welcome. Group visits call Bob K5TEC 617-751-3618.

DEXTER SOUTHFIELD

20 Newton St., Brookline, MA 02445

Presentation Abstracts—3

SATURDAY, September 9 (cont'd)

The Science of HF Propagation ~ Phil Erickson, W1PJE

Phil will follow on NE1R's introduction to propagation with a deeper discussion of the ionosphere and its variations, and how it relates to amateur radio propagation. He will describe space weather research, including observation programs at MIT Haystack Observatory in Westford MA, and will present information on how hams can participate in active scientific research through the HamSCI citizen science initiative.

11:00 - 12:00 Cotillion

YLS at Noon ~ Anne Manna, WB1ARU

Women Radio Operators of New England and Young Ladies' Radio League are co-sponsoring this forum for all YLS, licensed or not. Bring a snack or lunch if you like, beverages will be available. Topics will include: what YLS are doing and have done in our shared hobby; reports on new nets and awards; ways to join in the fun. Bring your questions, find out more about women in Amateur Radio, and hear from Young Ladies of all ages! OMs are also welcome to earn awards and are appreciated for their support.

11:00 - 13:00 Board

ARRL Forum - I ~ Tom Frenaye, K1KI, New England Division Director, and Tom Gallagher, NY2RF, ARRL CEO

Tom and Tom will discuss current affairs at the League, followed by a Q&A session. Ask the League leadership some tough questions! (This forum will be repeated on Sunday.)

12:00 - 13:00 Federal

Digital Radio Repeater Modes Forum ~ Rick Zach, K1RJZ

This forum will discuss current equipment and operating trends, covering all the digital modes found on local VHF and UHF frequencies.

12:00 - 14:00 Colonial

Practical Lightning, Static, and Impulse Protection

Joe Reisert, W1JR

Joe will discuss the danger and damage caused by lightning and surges, as well as the latest techniques to prevent or decrease same versus prior art.

12:00 - 13:00 Seminar

Upper Level Lows and 6-meter Sporadic E ~ Joe Dzekevich, K1YOW

This presentation explores possible correlations between storm systems and sporadic E clouds. While some of the main causes of sporadic E propagation are wind shear, meteor strikes and upper atmospheric tides, radio operators have noticed that sporadic E propagation is also changed significantly by hurricanes and storms. This talk will present cases where Amateur Radio has been used to investigate the effects of low-pressure weather storms on the formation and/or enhancement of 6-meter sporadic E clouds.

12:00 - 13:00 Cotillion

AMSAT Forum - I ~ Barry Baines, WD4ASW

Barry will present an overview of the state of AMSAT and the engineering status of the Fox projects and other programs, followed by a Q&A.

13:00 - 14:00 Federal



New England Amateur Radio

Public Service • Education • Radio Communications

www.ne1ar.org



New England Amateur Radio is a non-profit 501(c)3 organization to promote education and growth of amateur radio as a STEM activity, as a communications hobby, and as support for emergency preparedness and public service.

NEAR can provide technical, educational, volunteer examiner, and license classes to clubs, groups, public service, and schools.



We are actively raising funds to support restoration and outfitting of a mobile communications van. The goal is to make it available for public service, emergency communications, educational activities, and general promotion of the hobby.

www.ne1ar.org/van

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SATURDAY, September 9 (cont'd)

PiPtr - Open Source Raspberry Pi Repeater Controller

James Lee, N1DDK

The Raspberry Pi is the basis for an inter-linkable repeater controller. James will discuss the goals and current state of the project and will present an overview of the HW and SW architectures. Topics: An introduction to Python and Github; how to replicate the prototype; how to contribute to hardware, software, and testing.

13:00 - 14:00 Cotillion

NTS Forum — Traffic Handlers Meet & Greet ~ Marcia Forde, KW1U

Meet your fellow traffic handlers and discuss concerns you might have. Interested in learning more? Get information from those who have the experience.

13:00 - 14:00 Board

VE Session - II

13:00 - 17:00 Deck

New England QRP Forum ~ Carl Achin, WA1ZCQ

NEQRP's annual Boxboro 'Symposium of Talks' for low-power radio enthusiasts, field operators, and home-brewers/kit builders.

13:00 - 14:00 - Dave Benson, K1SWL

Since the conclusion of the National Parks On The Air program hosted by ARRL in 2016, there has been considerable interest in maintaining outdoor-themed QRP activities. Dave will spotlight a number of programs supporting these interests.

14:00 - 15:00 - Rex Harper, W1REX

Have you ever build an electronic kit? Assembled a crystal-radio, transmitter, or transceiver that you made a contact with? Rex will show how he builds kits in-the-field! That's right--kit building from a park bench, grassy field, or even in the woods.

15:00 - 16:00 - Greg Algieri, WA1JXR

Have you ever wanted to know if your antenna was efficient? Wanted to know where it was radiating? Wanted to get peak performance from your antenna? Then this talk will show you how computer modeling can be very beneficial for all Amateur Radio stations for getting your signal heard, locally, and around the world.

Seminar

Cubes in Space for Kids ~ Bob Phinney, K5TEC

Cubes in Space™ is a program that provides students (ages 11-18) with a free opportunity to design experiments to be launched into space on a NASA rocket or balloon! This is a Science, Technology, Engineering, Arts, and Mathematics (STEAM) based global education program, enabling kids to learn utilize innovative problem-solving, inquiry-based learning methods. Students from the Clay Center Amateur Radio Club (CC-ARC) and their adult mentors will show you how to bring this program to your ham radio club or school.

14:00 - 15:00 Federal

YCCC Meeting ~ Dennis Egan, W1UE

Program Highlights: W1UE, K1VR, and KC1CWF: "Station Automation"; K1RX Mark Pride "OH5NQ: Greatest SWL Station in the World"; W3UA Eugene Shablygin: "Hamlogs.net"; YCCC Youth Scholarship Drawing

14:00 - 17:00 Colonial

Stratford Amateur Radio Club



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www.nedecn.org

SATURDAY, September 9 (cont'd)

Modernizing and Growing Your Amateur Radio Club - The Nashua Area Radio Club Story ~ Fred Kemmerer, AB1OC

How do you renew interest in, and grow your Amateur Radio club? Fred will describe how he and others grew their club from forty members to over 150 in two years.

14:00 - 15:00 Cotillion

RF Fingerprinting ~ John Salmi, KB1MGI

John will present and demonstrate simple and easy techniques to record the RF fingerprint of a radio transmission. These techniques can help to identify a particular transmitter brand name that is causing interference.

14:00 - 15:00 Board

Youth Forum ~ Bob Phinney, K5TEC

How do we attract more youth to ham radio? Come to the Youth Forum to hear from youth amateurs themselves, panelists from ages 9 to 19, about how they got started in radio and what keeps them interested. Learn from the experiences of the Clay Center Amateur Radio Club, which has educated and supported over 120 youth and currently has over 260 members, including 12 astronauts. Get tips that will help your club.

15:00 - 16:00 Federal

New England Spectrum Management Council (NESMC) General Meeting ~ Bob DeMattia, K1IW

The New England Spectrum Management Council, the repeater coordinating body for Maine, Massachusetts, New Hampshire and Rhode Island, will hold its Annual Meeting.

15:00 - 16:00 Cotillion

Building & Operating A Portable Satellite Station

Fred Kemmerer, AB1OC and Anita Kemmerer, AB1QB

Covers two different stations: a simple HT-based setup and tracking using a handheld Yagi; and a more complex station that uses full computer control but is still portable.

16:00 - 17:00 Federal

BITX40 SSB QRP Transceiver ~ Andy Stewart, KB1OIQ

Andy will discuss a popular SSB QRP Kit from India.

16:00 - 17:00 Seminar

National Parks on The Air (NPOTA) ~ Dennis Markell, N1IMW

The NPOTA event brought together a variety of operators in a remarkable year of success, and a lot of 'fail and learn' experiences. Come hear about the antenna quandaries, the rig contortions and all the wacky field station creations that made it so remarkable.

16:00 - 17:00 Cotillion

Convention Banquet ~ Speaker Paul Stoetzer, N8HM

Paul, N8HM, will be revealing his secrets on how to make big signals with little room, in a talk called Effective DX and Satellite Operation with Minimal Antennas.

19:00 - 21:30 Federal



Friday, October 13th & Saturday October 14th 2017

DEERFIELD NH Fairgrounds.

www.near-fest.com

www.forum.near-fest.com

GRAND PRIZE – Elecraft KX2 – Drawing Saturday 2 PM

Winner does NOT need to be present to win.

[Spring 2018 dates: May 4th & 5th 2018]

The Amateur Radio Club at Yale University

W1YU

*invites you to attend the 2nd annual Boxboro
ARRL Collegiate Amateur Radio Initiative Symposium*

Sunday September 10th ❖ 8:30 am to noon

08:30 – 10:00 Featured collegiate club presentations by:

W8SH Michigan State University, W8EDU Case Western Reserve

W2KGY US Military Academy, N3HAC Harrisburg Academy

10:00 – 11:00 CARI OTA planning round table discussion

11:00 – 12:00 Town Hall Forum w. ARRL CEO Tom Gallagher, NY2RF

ALL ARE WELCOME
College affiliated or not



*Check your program
for room location*

Presentation Abstracts—6

SATURDAY, September 9 (cont'd)

New England QRP Meet & Greet, Vendors Night & Build-a-thon

19:00 - 23:00 Seminar

Movie Night ***Making Waves*** (Popcorn Included) **21:30 - 23:00 Colonial**

Informal Music Jam Session ~ Eliot Mayer, W1MJ

Get ready to rock out at the Boxboro! Saturday Night Jam Session, new this year! Hosted by Eliot Mayer, W1MJ, of The Chameleons. We may go into some long blues improvisations or in other rock, blues, or folkie directions. We also offer chords and lyrics for fun (but not-too-difficult) songs for those that might want to practice them in advance.

21:30 - 23:00 Cotillion

Collegiate Amateur Radio Reception

21:30 - 23:00 Directors

Open Mic Ham Radio Storytelling ~ Phil Temples, K9HI

Had an amusing encounter with another ham? An antenna experiment that resulted in more sparks than signal? Perhaps ham radio impacted your life in a way you couldn't have imagined? Share your ham radio-related story! New this year, this event will allow each participant up to eight minutes to tell their story. **21:30 - 23:00 Board**

SUNDAY, September 10

Collegiate Amateur Radio Forum ~ Edward Snyder, W1YSM

Session 1 (08:30 - 10:00) Collegiate Club Update (max of four clubs to present).

Session 2 (10:00 - 11:00) Development of On-air Activities (Planning CAR QSO Parties, CAR Awards for on-air contacts, development of infrastructure to support this initiative).

Session 3 (11:00 - 12:00) CAR Town Hall - Open Discussion led by W1YU and ARRL leadership. Manufacturers will also be invited to speak about how clubs can positively impact company activities. **08:30 - 12:00 Federal**

Getting Started in Amateur Satellites ~ Ernie Bauer, N1AEW

A presentation for beginners to understand, plan, and make a QSO on the FM single-channel amateur satellites. Ernie will also provide an overview of currently available and soon to be launched amateur satellites and their capabilities. **09:00 - 10:00 Colonial**

80M Extended Double Zepp Antenna ~ Stephen Kercel, AA4AK

Stephen recounts his experiences constructing and operating with an extended double Zepp on 80 meters. It uses 600-Ohm ladder line of a precise length to produce a low 50Ω SWR without the need of a tuner. With a tuner, the antenna is also remarkably effective on 160 and 60 meters. Stephen also shares some practical insights using a potato cannon for raising antenna wires in dense woods. **09:00 - 10:00 Seminar**

PAVE PAWS ~ Capt. Theodore Kruczek, USAF

Kruczek and others from the 6th Space Warning Squadron will discuss PAVE PAWS and the military use of the shared 70 cm band to track satellites and ballistic missiles.

09:00 - 10:00 Cotillion

Presentation Abstracts—7

SUNDAY, September 10 (cont'd)

CEOX - San Felix I. attempt ~ Mike Murphy, WU2D

While in Chile Mike traveled to San Felix, the site of a Chilean naval base. His adventures included obtaining licenses for San Felix and Robinson Crusoe I., installing DF gear and Zodiac fishing.

09:00 - 10:00 Directors

Intro to Vintage Amateur Radio Restoration ~ Dan Brown, W1DAN

While SDR radios and the latest ham technology is exciting, sometimes it is enjoyable to live in the past and light up some old tube gear. Dan will discuss the allure of old radios or "boat anchors": how to obtain, restore, and bring a relic back to life. He will also discuss vintage SSB, CW and AM.

09:00 - 10:00 Board

AMSAT Forum - II ~ Barry Baines, WD4ASW

Barry presents an overview of the state of AMSAT in general, the engineering status of our Fox projects and other programs, followed by a Q&A.

10:00 - 11:00 Colonial

Evaluating Antennas Using WSPR ~ Dennis Egan, W1UE

WSPR is an easy way of obtaining passive, objective signal reports from a variety of stations. Dennis will discuss methods of using WSPR to evaluate HF antennas.

10:00 - 11:00 Seminar

Entry Level License - What's Worked & Hasn't ~ Bruce Blain, K1BG

All of us entered the amateur radio hobby in a number of different ways. Whether it was the Class B license of the 30s and 40s, the Novice license of the 50s through the 90s, or the current Technician class license, Bruce looks at the history of entry level license requirements and conditions, what's worked and what hasn't, and what it means for attracting youth to the hobby.

10:00 - 11:00 Cotillion

Spy Radios ~ Michael Crestohl, W1RC

An overview of miniaturized covert radio equipment from the WW2 years through the 1960s.

10:00 - 11:00 Directors

MARS Meeting (Open) ~ Robert Mims, WA1OEZ

What is the Military Auxiliary Radio Service? Come and learn about Army and Air Force MARS.

10:00 - 11:00 Board

VE Session - III

10:00 - 13:00 Deck

ARRL Forum - II ~ Tom Frenaye, K1KI, New England Division Director, and Tom NY2RF, ARRL CEO

Tom and Tom will discuss current affairs at the League, followed by a Q&A session.

11:00 - 12:00 Colonial

Presentation Abstracts—8

SUNDAY, September 10 (cont'd)

Intro to Antenna Modeling ~ Greg Algieri, WA1JXR

This presentation will assist hams in using EZNEC Antenna Modeling Software for the first time. Greg will discuss the fundamentals of antenna modeling and how to get started using the software.

11:00 - 12:00 Seminar

Share The Magic - Bringing Local Kids into Amateur Radio

Douglas Sharafanowich, WA1SFH, Section Youth Coordinator, CT

This presentation is designed to give individual hams and club officials an insight into how to create a successful, results oriented, youth outreach program. Topics: Hard Truths; The four essentials required to make it work; The three parts of a successful youth outreach program; Where to find our best prospects; Avoiding the brick walls; Capitalizing on existing opportunities; Creating opportunities to showcase Amateur Radio.

11:00 - 12:00 Cotillion

Getting Involved with Public Service Events ~ Gary Schwartz, N1ZCE

Public service events are a great way to build your radio operating skills, create visibility for ham radio, and serve the local community. Make sure you are prepared for emergency operations by working real-world events, and have some fun as well!

11:00 - 12:00 Directors

MARS Membership Meeting ~ Robert Mims, WA1O EZ

A closed meeting for MARS members to discuss MARS.

11:00 - 13:00

Board

The SS Hope Marine Radio at the WCC Museum ~ Ed Moxon, K1GGI

The museum at Chatham Radio / WCC features a complete Mackay Marine radio console that sailed on the famous hospital ship SS Hope / WHNJ. This presentation details the acquisition and restoration of a special piece of maritime radio history.

12:00 - 13:00 Colonial

Intro to JT65 ~ Charles Bures, WA3ITR

An introduction to the JT65 mode, developed by Joe Taylor, K1JT. How and why it was developed, what components are needed, and more. Charlie will explain the basic technical details by walking through a sample QSO, and also share his early experiences using JT65.

12:00 - 13:00 Seminar

Growing Your Amateur Radio Club

Andy Stewart, KB1OIQ, Affiliated Club Coordinator, Eastern MA

Amateur Radio clubs can be great places to meet people, learn new things, and have a lot of fun.

12:00 - 13:00 Cotillion

Prize Drawing & Convention Wrap-up

14:00 - 16:00 Federal

FEMARA Incorporated

FEMARA Inc. is a Massachusetts non-for-profit corporation that sponsors and runs the ARRL New England Division Convention. The group, which has been in existence for over 30 years, began as a consortium of area radio clubs. FEMARA is qualified under IRS 501(c)(3). Donations to FEMARA are deductible as allowed by IRS regulations.

Our goals are twofold; to offer the richest and most diverse ARRL Convention in the country, and to support the ARRL Foundation's scholarship program.

73,
Mike Raisbeck, K1TWF
President, FEMARA, Inc.



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The Hampden County Radio Association is Western Massachusetts' most active Ham Radio Club since it's start in the mid 1950's.

We have over 50 people at every monthly meeting and members being active in DX Chasing, Digital, CW, SOTA, Field Day, Contesting, Kit Building, Knowledge Sharing, License Classes, and all aspects of ham radio activities.

Whether you are a new ham or someone who has been licensed for many years, the HCRA is the Ham Club for You.

Come join us at our monthly meetings on the first Friday of each month or any of our activities. (September thru June)

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